

Name: \_\_\_\_\_

**pb1103: Factoring when  $a = \text{prime}$  (v37)**

1. Factor the expression  $7x^2 - 29x + 24$

$$(7x - 8)(x - 3)$$

2. Factor the expression  $3x^2 - 4x - 15$

$$(3x + 5)(x - 3)$$

3. Factor the expression  $11x^2 + 81x + 28$

$$(11x + 4)(x + 7)$$

4. Factor the expression  $7x^2 - 51x - 40$

$$(7x + 5)(x - 8)$$

5. Factor the expression  $5x^2 + 42x + 49$

$$(5x + 7)(x + 7)$$

6. Factor the expression  $5x^2 + 12x + 7$

$$(5x + 7)(x + 1)$$

7. Factor the expression  $7x^2 + 33x - 54$

$$(7x - 9)(x + 6)$$

8. Factor the expression  $2x^2 - 9x + 7$

$$(2x - 7)(x - 1)$$

9. Factor the expression  $11x^2 + 15x + 4$

$$(11x + 4)(x + 1)$$

10. Factor the expression  $2x^2 - 17x + 21$

$$(2x - 3)(x - 7)$$